

## ABSTRACT

The present invention relates to a spectrometer module comprising an input, for receiving an incoming optical signal, a variable differential group delay (DGD) element, for applying a variable birefringence retardation to said incoming optical signal, and a detector unit for detecting the power of a signal exiting said variable DGD element, having a defined state of polarisation. It also relates to a monitor module, a monitoring unit and a monitoring system, comprising such a spectrometer module for use in monitoring an optical network.

Further, the invention relates to a spectrometer device, for spectrometry purposes, comprising a spectrometer module as stated above.

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Elected for publication: fig 1.

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